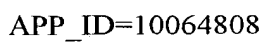


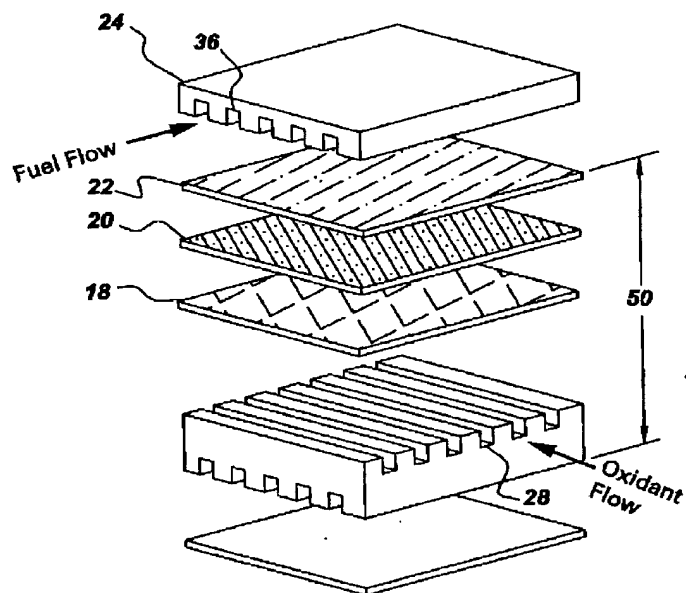
$$H = \begin{pmatrix} H_{11} & H_{12} \\ H_{21} & H_{22} \end{pmatrix}, \quad H_{ij} = \begin{pmatrix} h_{ij}^{(1)} & h_{ij}^{(2)} \\ h_{ij}^{(3)} & h_{ij}^{(4)} \end{pmatrix}, \quad h_{ij}^{(k)} = \frac{1}{N} \sum_{n=1}^N \langle \sigma_i^n \sigma_j^n \rangle_k, \quad k=1,2,3,4$$

**Fig. 1**



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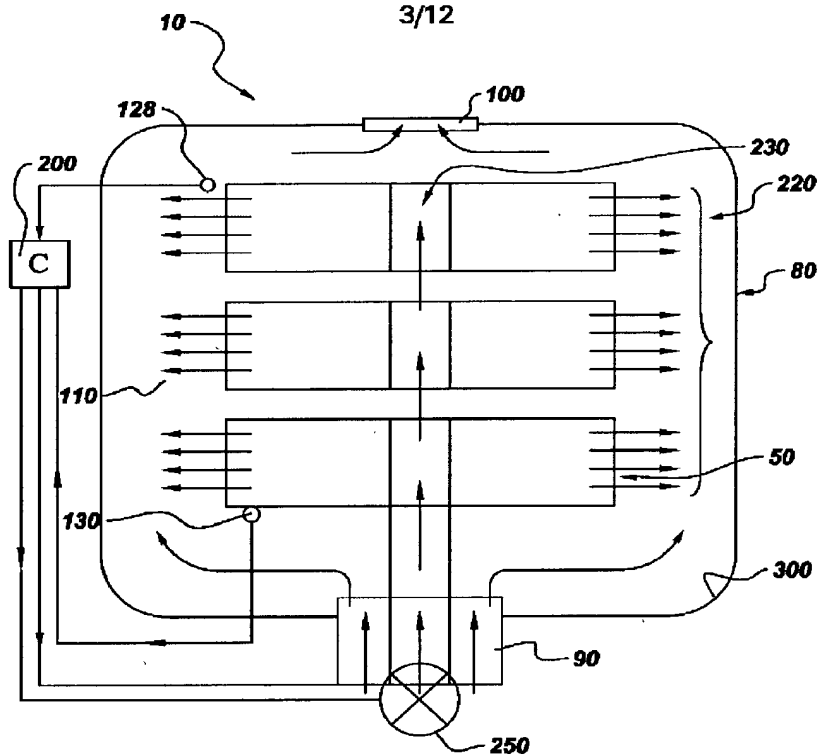
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**Fig. 2**

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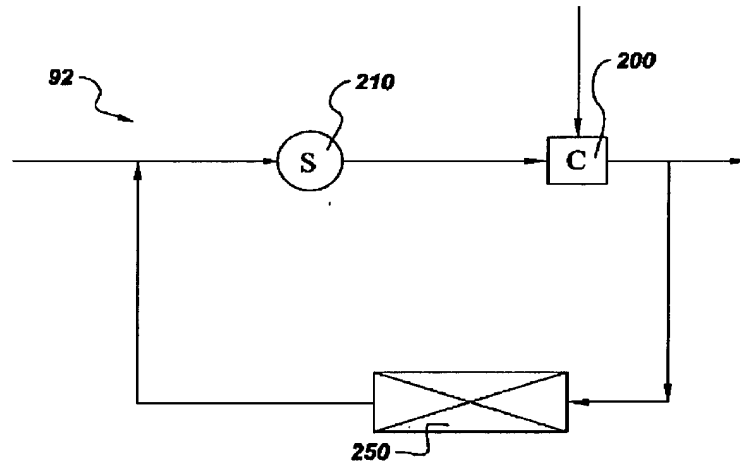
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**Fig. 3**

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**Fig. 4**

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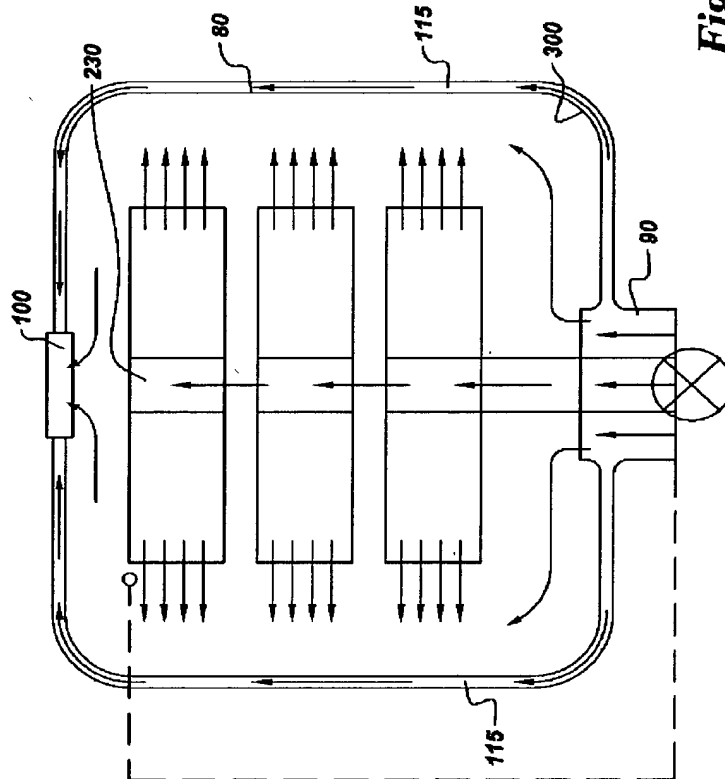
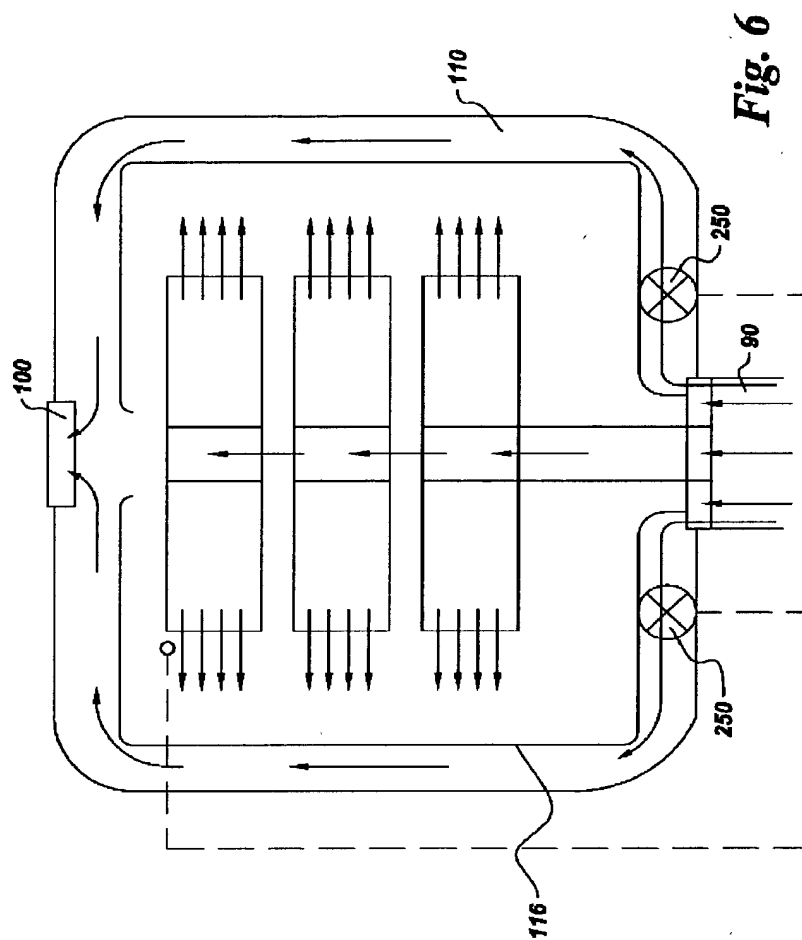


Fig. 5

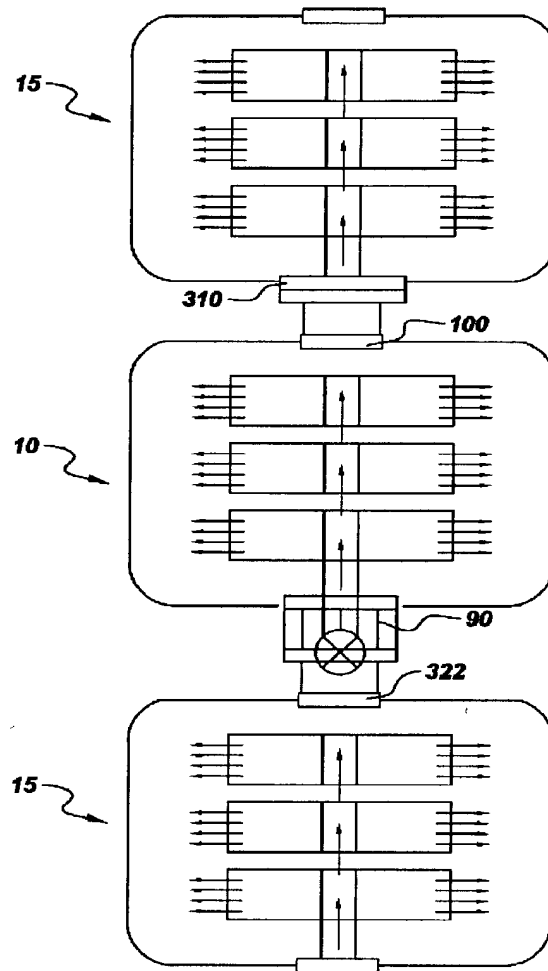
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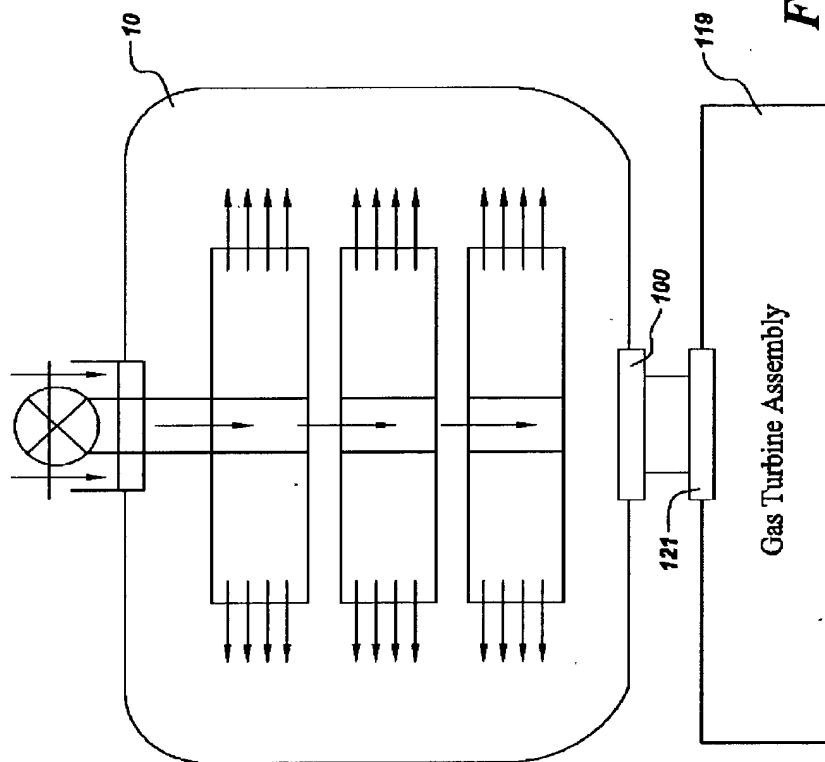
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**Fig. 7**

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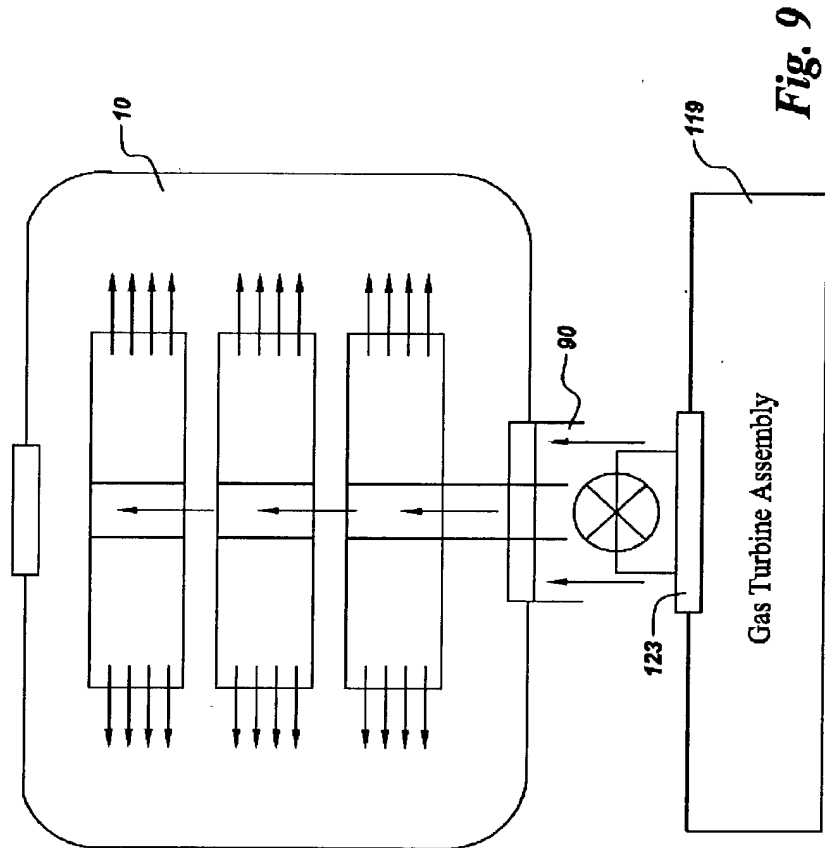
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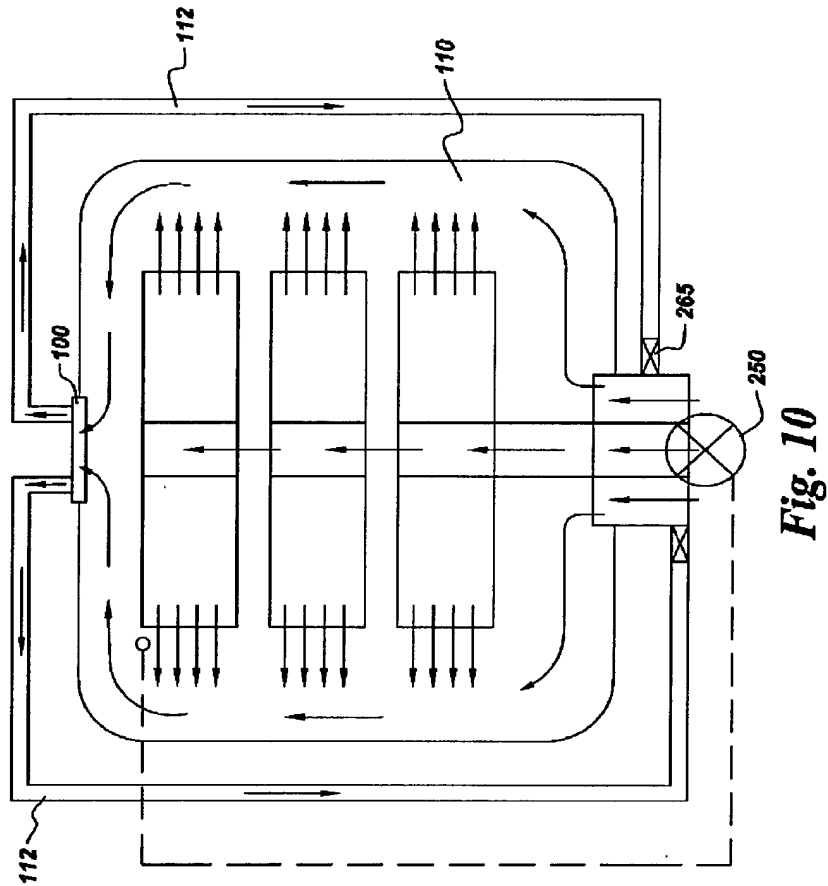
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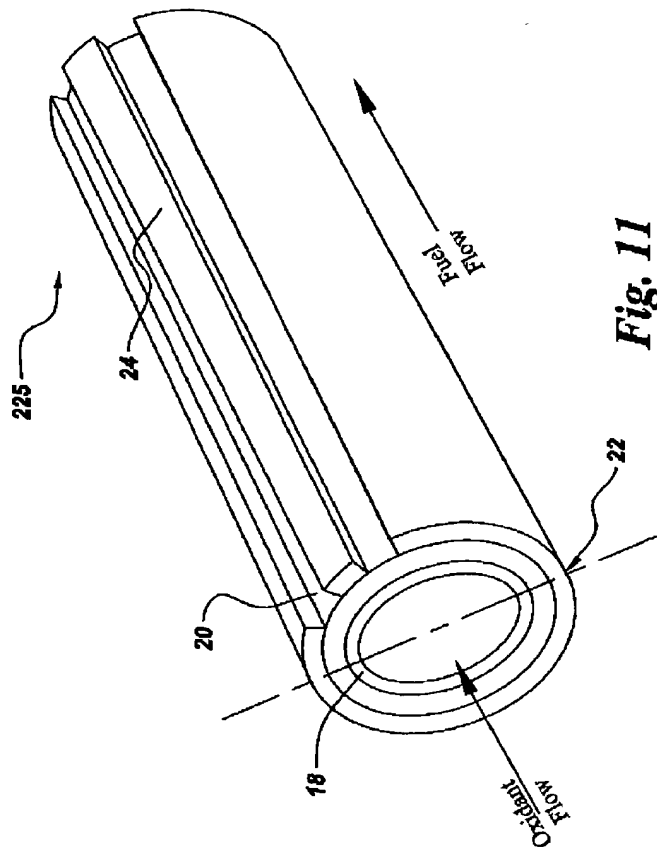
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**Fig. 10**

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**Fig. 12**

